

THE COMMONWEALTH OF MASSACHUSETTS
OFFICE OF CONSUMER AFFAIRS AND BUSINESS REGULATION
**DEPARTMENT OF
TELECOMMUNICATIONS & ENERGY**

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April 8, 2005

SENT BY E-Mail, and
First Class U.S. Mail

Amy Rabinowitz, Esq.
Massachusetts Electric Company
25 Research Drive
Westborough, MA 01582-0099

Re: Massachusetts Electric Company / Nantucket Electric Company, D.T.E. 05-22

Dear Ms. Rabinowitz:

Enclosed is the first set of information requests by the Department of Telecommunications and Energy to Massachusetts Electric Company / Nantucket Electric Company regarding the above-captioned matter. Please submit copies of the Company's responses to the information requests to the Department by 5:00 p.m., April 22, 2005.

Should you have any questions please contact me at (617) 305-3762. Thank you for your prompt attention to this matter.

Sincerely,

Jody Stiefel
Hearing Officer

Enc.
cc: Service List
Mary Cottrell, Secretary

FIRST SET OF INFORMATION REQUEST OF
THE DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY TO
MASSACHUSETTS ELECTRIC COMPANY and NANTUCKET ELECTRIC COMPANY

Pursuant to 220 C.M.R. 1.06(6)(c), the Department of Telecommunications and Energy ("Department") hereby submits to Massachusetts Electric Company ("MECo") and Nantucket Electric Company ("Nantucket") the following information request(s) with respect to the March 1, 2005 Service Quality ("SQ") Report, D.T.E. 05-22.

INSTRUCTIONS

The following instructions apply to this set of Information Requests and all subsequent Information Requests issued by the Department to MECo or Nantucket in this proceeding.

1. Each request should be answered in writing on a separate, three-hole punch page with a recitation of the request, a reference to the request number, the docket number of the case and the name of the person responsible for the answer.
2. Do not wait for all answers to be completed before supplying answers. Provide the answers as they are completed.
3. These requests shall be deemed continuing so as to require further supplemental responses if the Company or its witness receives or generates additional information within the scope of these requests between the time of the original response and the close of the record in this proceeding.
4. The term "provide complete and detailed documentation" means:

Provide all data, assumptions and calculations relied upon. Provide the source of and basis for all data and assumptions employed. Include all studies, reports and planning documents from which data, estimates or assumptions were drawn and support for how the data or assumptions were used in developing the projections or estimates. Provide and explain all supporting work-papers.
5. The term "document" is used in its broadest sense and includes, without limitation, writings, drawings, graphs, charts, photographs, phono-records, microfilm, microfiche, computer printouts, correspondence, handwritten notes, records or reports, bills,

checks, articles from journals or other sources and other data compilations from which information can be obtained and all copies of such documents that bear notations or other markings that differentiate such copies from the original.

6. If any one of these requests is ambiguous, notify the Hearing Officer so that the request may be clarified prior to the preparation of a written response.
7. Please serve a copy of the responses on Mary Cottrell, Secretary of the Department, one copy to the Service List, and three copies of the responses to Jody M. Stiefel, Hearing Officer.

Requests

- | | |
|---------|--|
| DTE 1-1 | Please provide Meco's 2004 distribution revenues. Identify the source for this value. |
| DTE 1-2 | Please provide MECO's 2004 transmission revenues. Identify the source for this value. |
| DTE 1-3 | Please identify the number of districts within Meco, the district names, and the names of the communities' served by each district. |
| DTE 1-4 | Please identify the number of bulk power stations within each district for Meco. Provide the bulk power station names associated with each district. |

DTE 1-5 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual SAIDI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual SAIDI average for each of the prior four years. Utilize the following format.

Description	2001	2002	2003	2004	-----Two Years-----
					01-02 02-03 03-04

System

District Annual Average

Bulk Power Station Annual Average

“

District Annual Average

Bulk Power Station Annual Average

“

Statistics by individual feeders

Circuit ID, location

“

DTE 1-6 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. For each community identify the assumptions used to identify the SAIDI values. Utilize the following format.

Description	2001	2002	2003	2004	-----Two Years-----
					01-02 02-03 03-04

System

Community name

“

- DTE 1-7 For MEdCo. Given the information provided in response to DTE 1-5, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders
- DTE 1-8 For MEdCo. Given the information provided in response to DTE 1-5, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.
- DTE 1-9 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual SAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual SAIFI average for each of the prior four years. Utilize the format specified in Information Response DTE 1-5.
- DTE 1-10 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. Utilize the format specified in Information Request DTE 1-6.
- DTE 1-11 For MEdCo. Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders
- DTE 1-12 For MEdCo. Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.
- DTE 1-13 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the CAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system CAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual CAIDI average for each of the prior four years. For each bulk power station

(identified in response to DTE 1-4), calculate the annual CAIDI average for each of the prior four years.

Utilize the format specified in Information Response DTE 1-5.

DTE 1-14 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the MAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system MAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-3), calculate the annual MAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-4), calculate the annual MAIFI average for each of the prior four years. Utilize the format specified in Information Response DTE 1-5.

DTE 1-15 For MEdCo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that both identifies and summarizes for each of the prior four years (2001, 2002, 2003 and 2004) by system, by district, by bulk power station, by feeder the annual capital investment approved as well as capital investment completed in the Company's transmission and distribution infrastructure. Utilize the following format.

Year: 200x

Description

Capital Investment
Approved

Capital Investment
Completed

System

District Annual Average

Bulk Power Station Annual Average

“

District Annual Average

Bulk Power Station Annual Average

“

Statistics by individual feeders

Circuit ID, location

“

DTE 1-16 For MECo. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves for each of the prior four years (2001, 2002, 2003, and 2004) the annual capital investment approved and capital investment completed in the Company's transmission and distribution infrastructure. Utilize the following format.

Year: 200x
Description

Capital Investment
Approved

Capital Investment
Completed

System

Community name
“

DTE 1-17 Please provide Nantucket's 2004 Distribution Revenues. Identify the source for this value.

DTE 1-18 Please provide Nantucket's 2004 Transmission Revenues. Identify the source for this value.

DTE 1-19 Please identify the number of districts within Nantucket, the district names, and the names of the communities' served by each district.

DTE 1-20 Please identify the number of bulk power stations within each district for Nantucket. Provide the bulk power station names associated with each district.

- DTE 1-21 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-19), calculate the annual SAIDI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-20), calculate the annual SAIDI average for each of the prior four years. Utilize the following format.

Description	2001	2002	2003	2004	-----Two Years-----
					01-02 02-03 03-04

System

District Annual Average

Bulk Power Station Annual Average

“

District Annual Average

Bulk Power Station Annual Average

“

Statistics by individual feeders

Circuit ID, location

“

- DTE 1-22 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIDI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. For each community identify the assumptions used to identify the SAIDI values. Utilize the following format.

Description	2001	2002	2003	2004	-----Two Years-----
					01-02 02-03 03-04

System

Community name

“

- DTE 1-23 For Nantucket. Given the information provided in response to DTE 1-21, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders
- DTE 1-24 For Nantucket. Given the information provided in response to DTE 1-21, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.
- DTE 1-25 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system SAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-19), calculate the annual SAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-20), calculate the annual SAIFI average for each of the prior four years. Utilize the format specified in Information Response DTE 1-21.
- DTE 1-26 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves the SAIFI values for each of the prior four years (2001, 2002, 2003, and 2004) and by two consecutive reporting years. Utilize the format specified in Information request DTE 1-22.
- DTE 1-27 For Nantucket. Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that ranks the 2003-2004 statistic to identify the highest (worst) ten percent of the utility's feeders
- DTE 1-28 For Nantucket. Given the information provided in response to DTE 1-9, provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies all feeders that are more than 300 percent greater than the system average of all feeders in the 2003-2004 period.
- DTE 1-29 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the CAIDI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system CAIDI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-19), calculate the annual CAIDI average for each of the prior four years. For each bulk power station

(identified in response to DTE 1-20), calculate the annual CAIDI average for each of the prior four years.

Utilize the format specified in Information Response DTE 1-21.

DTE 1-30 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included), that identifies for each main distribution feeder emanating from each bulk power station the MAIFI values for each of the prior four years (2001, 2002, 2003, and 2004), and by two consecutive reporting years. Calculate the system MAIFI by year, and by two consecutive reporting years. For each district (identified in response to DTE 1-19), calculate the annual MAIFI average for each of the prior four years. For each bulk power station (identified in response to DTE 1-20), calculate the annual MAIFI average for each of the prior four years. Utilize the format specified in Information Response DTE 1-21.

DTE 1-31 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that both identifies and summarizes for each of the prior four years (2001, 2002, 2003 and 2004) by system, by district, by bulk power station, by feeder the annual capital investment approved as well as capital investment completed in the Company's transmission and distribution infrastructure. Utilize the following format.

Year: 200x

Description

Capital Investment
Approved

Capital Investment
Completed

System

District Annual Average

Bulk Power Station Annual Average

“

District Annual Average

Bulk Power Station Annual Average

“

Statistics by individual feeders

Circuit ID, location

“

DTE 1-32 For Nantucket. Please provide a table, in an electronic EXCEL spreadsheet (formulas included) that identifies for each community the Company serves for each of the prior four years (2001, 2002, 2003, and 2004) the annual capital investment approved and capital investment completed in the Company's transmission and distribution infrastructure. Utilize the following format.

Year: 200x
Description

Capital Investment
Approved

Capital Investment
Completed

System

Community name
“